

CELSTRAN® PA66-SF50-02 AF3001 - PA66

Description

The Celstran PA66-SF50-02 AF3001 Natural is a 50% by weight stainless steel fiber concentrate. This product is intended to be used at levels from 6% to 40% in combination with neat or filled PA66 to achieve the desired level of electrostatic dissipation (ESD) and electromagnetic interference (EMI)/ radio frequency interference (RFI) shielding. The resulting formulation will yield stainless steel levels of 3% to 20%. 'Long Stainless Fiber' materials have a significant advantage over short stainless fiber filled plastics. Conductivity properties increase by nearly 100 times when comparing to similar loadings.

Physical properties	Value	Unit	Test Standard
Density	1990	kg/m ³	ISO 1183

Thermal properties	Value	Unit	Test Standard
Melting temperature, 10 °C/min	260	°C	ISO 11357-1/-3

Typical injection moulding processing conditions

Temperature	Value	Unit	Test Standard
Melt temperature	≤320	°C	-

Characteristics

Special Characteristics	Delivery Form
Anti-static, Electrostatic dissipation	Pellets
Product Categories	Regional Availability
Specialty, Stainless steel reinforced	North America, Europe, Asia Pacific

Processing

Injection molding